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CLAIMS

1. A motor vehicle reverse assistance light comprising:

a housing which is an inverted U-shaped shell that includes: ~~utilized to hold a socket;~~

5 a receptacle and a locating tab formed inside said housing;

a threaded sleeve at one end of said inverted U-shaped shell of said housing;

a stepped seating rim in said threaded sleeve;

a base which is a rectangular-shaped member that includes:

10 a rod and an arcuate groove formed on ~~the~~ said rectangular-shaped member of ~~the~~ said base;

the said rod on ~~the~~ said base member which is engaged within the said receptacle in ~~the~~ said housing shell so that said base it is rotatably conjoined to said housing it; a said locating tab in ~~the~~ said

15 housing shell situated in ~~the~~ said arcuate groove on ~~the~~ said base member;

a socket having wire leads disposed on one end;

a lamp hood that is a screw-on tube with a transparent outer cover fastened onto a said threaded sleeve; and ~~which further consists of:~~

20 ~~a receptacle and a locating tab formed inside the said shell;~~

~~a threaded sleeve at one end of the said shell; and~~

~~an LED~~ a light emitting diode bulb cluster set onto ~~the~~ said socket, which

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is then inserted inside said stepped seating rim in the said threaded sleeve of the said housing.

2. ~~As mentioned in Claim 1 of the~~ The motor vehicle reverse assistance light in Claim 1 ~~of the invention herein~~, the said receptacle in the said housing shell includes:

a semicircular retaining edge and a pair or more slots along its the opening of said receptacle;

~~the~~ said rod on the said base member consisting of:

a rounded annular tip at the distal end;

a passage through the center;

~~the~~ said rounded annular tip on ~~the~~ said rod of the said base member which is rotatably coupled by means of ~~the~~ said semicircular retaining edge along the opening of the said receptacle in ~~the~~ said housing shell; and

~~the~~ said wire leads ~~leading~~ on ~~the~~ said socket which are routed through the said passage centered in the said rod of ~~the~~ said base member.

3. ~~As mentioned in Claim 1 of the~~ The motor vehicle reverse assistance light in Claim 1 ~~of the invention herein~~, a channel is formed along the lower side of said base member that proceeds along one side of ~~the~~ said member up to ~~the~~ said passage in the center of ~~the~~ said rod on ~~the~~ said member to facilitate the routing of ~~the~~ said wire leads from the rear side of ~~the~~ said socket to the reverse light switch and electrical ground connections.

BEST AVAILABLE COPY**ABSTRACT**

A motor vehicle reverse assistance light ~~comprised of~~ comprises a housing, a base, a socket, a light emitting diode (LED) bulb cluster, and a lamp hood. The housing is an inverted U-shaped shell having a receptacle and a locating tab formed inside, a threaded sleeve at one end, and a stepped seating rim in the threaded sleeve. The base is a rectangular-shaped member having a rod and an arcuate groove ~~formed~~ on it. The socket has wire leads disposed on one end. The lamp hood is a screw-on tube with a transparent outer cover. The LED light emitting diode bulb cluster is set on the socket, which is next inserted up to the stepped seating rim ~~inside~~ the threaded sleeve of the housing shell and the lamp hood is fastened onto the threaded sleeve. Finally, the wire leads of the socket are routed through the rod of the base and, furthermore, out from a base member. ~~The rounded annular tip at the distal end of the rod is fitted (engaged) inside the receptacle such that it is rotatably conjoined to the housing shell and the locating tab within the housing shell is situated in the arcuate groove on the base member such that it is slidable therein. With the assembly of the motor vehicle reverse assistance light of the present invention completed, it can be installed on the two rear fenders, the upper extent of the fenders, or a point near the chassis of a motor vehicle to thereby furnish illumination during backing up or tire changes and tire pressure replenishing. As positioned on the base, the housing is~~

freely rotatable to the left and right from 0-90 degrees to adjust the direction of illumination.